

PDML described

in terms of STEP

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PDML

Product Data Markup Language

**PDML
arch &
methods**

→ methods for specification of
technical elements of product
data exchange & integration systems

**PDML
instance**

→ a particular product data
exchange & integration system
comprising technical element
instances that satisfy
implementation environment
dependent information requirements

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PDML arch & specification methods

- uses ISO 10303 technology including XML for EXPRESS-driven data
 - application transaction sets
 - EXPRESS schema specifies content
 - XML DTD specifies structure
 - XML-EXPRESS schema early binding
 - integration method
 - mapping specifications
 - integration model
 - integration engine
 - XML style sheets

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small focused
“ARMs”

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mappings
between ATSS
and integration
model

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a single “AIM”
that integrates
ATSS

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implementation
of mappings
between appl.
transaction sets
through "AIM"

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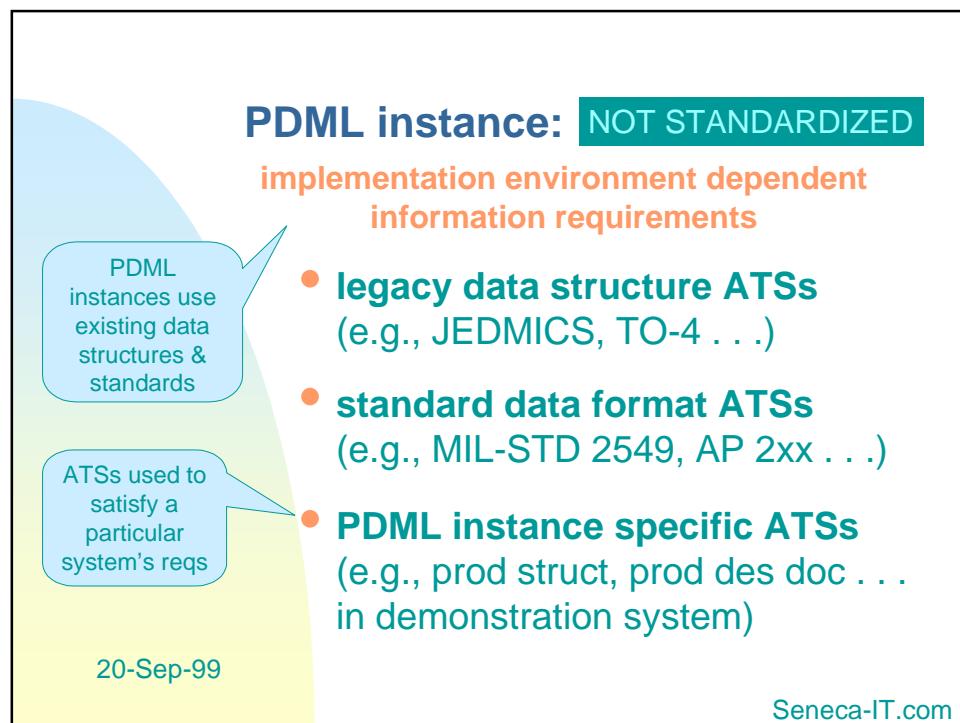
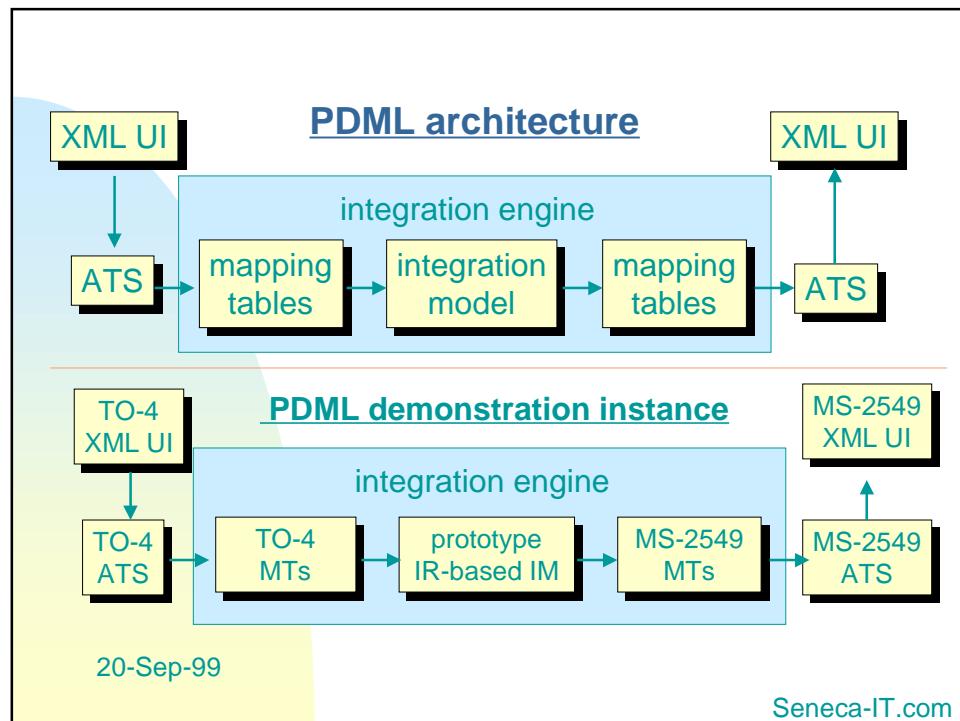
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user interface
presentation

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ISO TC184/SC4 and PDML

- **PDML arch & methods**
 - Use ISO 10303-11 EXPRESS
 - Use ISO 10303 integration method
 - Use ISO 10303-28 XML-EXPRESS schema early binding

- **PDML instances**
 - Use ISO 10303-2xx as needed / available
 - Use ISO 13584 as needed / available
 - Use ISO 15926 as needed / available
 - Use any standard specified in EXPRESS (e.g., PLCS, PDM schema, . . .) as available

A PDML instance is an implementation vehicle

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